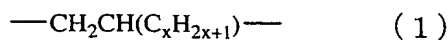


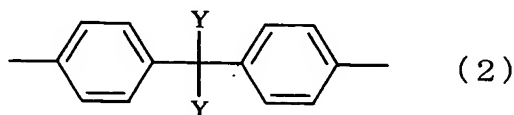
CLAIMS

1. A curable liquid resin composition comprising:
  - (a) 5-94 parts by weight of a urethane (meth)acrylate comprising a polyether backbone, at least one urethane group and at least one (meth)acrylate end group;
  - (b) 5-94 parts by weight of a polymerizable monomer, and;
  - (c) 0.01-10 parts by weight of a photoinitiator,in 100 parts by weight of the curable liquid resin composition, wherein the cured product of the composition has a glass transition temperature between 30 to 85 °C and a stress relaxation time of 30 minutes or less.
2. A curable liquid resin composition according to claim 1, wherein the glass transition temperature of the cured product of the composition is between 50 and 85 °C.
3. A curable liquid resin composition according to any one of claims 1 or 2, wherein the stress relaxation time is 10 minutes or less.
4. A curable liquid resin composition according to any one of claims 1 to 3, wherein the urethane (meth)acrylate (a) is based on at least:
  - (a-1) a polyether based polyol;
  - (a-2) a diisocyanate, and;
  - (a-3) a hydroxyl group-containing (meth)acrylate.
5. A curable liquid resin composition according to any one of claims 1 to 4 wherein the polyether backbone is derived from a polyether based polyol (a-1) having a number average molecular weight of 300-10000, comprising repeating alkyl units containing 2 to 6 carbon atoms, wherein at least part of these alkyl units contain an alkyl side chain of 1 to 5 carbon atoms,
6. A curable liquid resin composition according to any of claims 1-5, wherein the polyether backbone of the urethane (meth)acrylate (a) is derived from a polyether based polyol (a-1) comprising a structural unit shown by the following formula (1)



wherein x is an integer of 1-5;

7. The curable liquid resin composition according to claim 6, wherein x in the formula (1) is either 1 or 2.
8. A curable liquid resin composition according to any one of claims 6 to 7, wherein the polyether diol (a-1) also contains a structure shown by the following formula (2)
- 5



wherein Y represents a hydrogen atom or a methyl group.

9. A curable liquid resin composition according to any one of claims 6 to 8, wherein the polyether diol (a-1) also contains an alicyclic structure.
- 10 10. The curable liquid resin composition according to any one of claims 1 to 9, which is used as a secondary coating or a ribbon matrix material for optical fiber.
11. A process for producing a cured product comprising irradiating the curable liquid resin composition according to any one of claims 1 to 9.
- 15 12. A coated optical fiber comprising a cured primary coating with a modulus of less than 3 MPa at 23 °C and a cured secondary coating based on the curable liquid resin composition according to any one of claims 1 to 9.